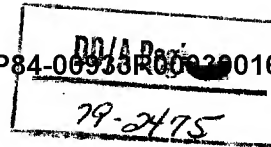


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20 July 1979

MEMORANDUM FOR: Deputy Director for Processing, ODP

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FROM : [REDACTED]
Chief, Engineering Division, ODP

SUBJECT : Meeting at NSA on 17 July 1979

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1. On 17 July 1979, [REDACTED] and myself meet at NSA with [REDACTED] and members of his staff to discuss areas of common interest. The discussions covered the Delta Data 7000, TEMPEST printers, disaster planning, and their Calcomp Automatic Tape Library system. (U)

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a. Delta Data 7000 (U)

We briefed them on the status of Delta Data 7000 terminal development as well as our longer term objectives to use the terminal for word processing and as a desk top computer. They expressed interest in the specific hardware Delta Data is developing for us and indicated that they plan to evaluate the alternative of switching in mid 1980 to a version of the 7000 that is based on our terminal or possibly procuring our terminal. One difference between their terminal and ours is that the boards for our 7000 have more logic on a board and more memory. For instance with the CIA version, four to five boards are replaced by two boards. In addition we have TEMPEST floppy disks that are not available on the NSA version. I agreed to work with them if they decide to use our version of the 7000. (U)

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NSA expressed interest in our software plans for BASIC and for word processing using the new terminal. I invited them to participate with us, in design reviews of the BASIC and FDOS software, and any other area where we have a mutual interest. They indicated that they were interested, and would participate. (U)

b. TEMPEST Printers (S)

NSA expressed interest in the results of our TEMPEST work with the Design 100 hardcopy terminal. I informed them that it had been qualified by our Comsec people for use in areas with a ten meter span of control requirement, which is more stringent than NSA's requirement TEMPEST. I agreed to loan a non-TEMPEST Design 100 to NSA so that they could evaluate any software implications. If it meets their requirements, they plan to evaluate using the Design 100 with the TEMPEST modifications as their standard hardcopy high quality terminal. We both agreed that this could be a good first step at cooperation and usage of common equipment to meet similar requirements. NSA will explore procurement issues to determine if they could use the existing CIA contract, or if they would need a separate contract. (S)

We also informed them of our interest in the Sanders high quality dot matrix printer, and our plans to obtain one for test and evaluation. (U)

c. Disaster Planning (U)

We discussed our common problem of each having all our computers in one physical location such that physical damage such as fire to our sites would leave us in very bad shape. We agreed to explore jointly the possibility of CIA being able to use NSA as an alternate site, and NSA using CIA (for their IBM systems) as an alternate site

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in case of a disaster to the computer center. [REDACTED] will discuss this with the Director of Data Processing on his upcoming visit. (U)

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Also, [REDACTED] would like to explore the possibility of creating a computer center at a new location, such as an abandoned military site, that would use communications links to allow terminal users at NSA to do their computing. He has not found much support with his management for the idea. He felt that if the site was also an alternate site for both CIA and NSA that might make it more attractive. We both agreed that disaster planning is becoming even more important as our agencies become even more dependent on ADP support in the 80's. (U)

d. Calcomp Automatic Tape Library (ATL) (U)

They showed us their newest ATL that is to be shared by their complex of three 168's and two 3033's all running JES2. The system has been installed since April, but the software being developed by Calcomp to support shared CPU usage does not work. They do have a small ATL that is run with a single CPU to support a job that searches very large files. They are very happy with its performance. (U)

2. Summary (U)

I felt the meeting was very productive and that it could be the start of some meaningful joint projects by NSA and CIA to solve problems of common concern. In summary I agreed to: (U)

a. Loan a Design 100 to NSA for evaluation. (U)

b. Invite them to participate in our software design review for BASIC and FDOS. (U)

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SUBJECT: Meeting at NSA on 17 July 1979

c. Jointly study the problem of how we can help each other in providing computer support in the event of a disaster. (U)

d. Work with them, if appropriate, to allow the CIA version of the Delta Data 7000 to meet future NSA requirements. (U)



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